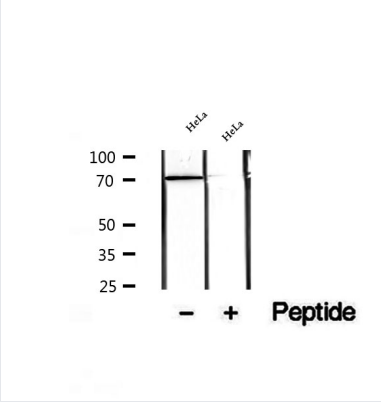
WDR46 Antibody – Rabbit Polyclonal

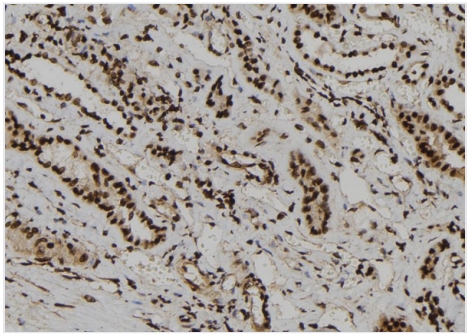
PRODUCT OVERVIEW

Product Name	WDR46, Polyclonal Antibody
Full Product Name	WDR46 Antibody
Product Gene Name	anti-WDR46 antibody
Product Synonym Names	BING4; C6orf11; FP221; OTTHUMP00000029279; UTP7; WD repeat containing protein 46; WD repeat containing protein BING4; WD repeat domain 46; WDR 46
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	WDR46 antibody detects endogenous levels of WDR46.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	WDR46 peptide (MBS9621047) is used for blocking the activity of WDR46 antibody (MBS9603570)
Molecular Weight	Observed: 70-75 kDa Predicted: 69 kDa
3D Structure	ModBase 3D Structure for O15213
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human WDR46.
Subcellular Location	Nucleus
Predicted Cross Reactivity	**Bovine, Horse, Sheep, Rabbit, Dog**
Similarity	Bovine (100%), Horse (100%), Sheep (100%), Rabbit (83%), Dog (92%)
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-WDR46 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-WDR46 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-WDR46 antibody	Function: Scaffold component of the nucleolar structure. Required for localization of DDX21 and NCL to the granular compartment of the nucleolus. Subunit Structure: Interacts with DDX21, NCL, NOP2 and EBNA1BP2.

Other Notes	Small volumes of anti-WDR46 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for WDR46 purchase	MBS9603570 is an antibody targeting WDR46. Also known as WDR46 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-WDR46 antibody
Western blot analysis of extracts of HeLa cells, using WDR46 antibody.



Immunohistochemistry (IHC) of anti-WDR46 antibody
MBS9603570 at 1/100 staining Human kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for WDR46. It may not necessarily be applicable to this product.

NCBI GI #	256773178
NCBI GeneID	9277
NCBI Accession #	NP_001157739.1
UniProt Primary Accession #	O15213
UniProt Secondary Accession #	Q5HYZ0; Q5STK5; Q5STR3; A6NDP5
UniProt Related Accession #	O15213
GenBank Nucleotide #	NM_001164267.1
NCBI Official Full Name	WD repeat-containing protein 46 isoform 2
NCBI Official Synonym Full Names	WD repeat domain 46
NCBI Official Symbol	WDR46
NCBI Official Synonym Symbols	UTP7; BING4; FP221; C6orf11
UniProt Protein Name	WD repeat-containing protein 46
UniProt Synonym Protein Names	WD repeat-containing protein BING4
Protein Family	WD repeat-containing protein
UniProt Gene Name	WDR46
UniProt Synonym Gene Names	BING4; C6orf11
NCBI Protein Information	WD repeat-containing protein 46
UniProt Comments for WDR46	Scaffold component of the nucleolar structure. Required for localization of DDX21 and NCL to the granular compartment of the nucleolus.
Research Articles on WDR46	**1.** When WDR46 was knocked down, nucleolin and DDX21 were mislocalized from the granular component to the edges of the nucleoli.

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